



Australian Bureau of Statistics

Education Services

Education Services home page > CensusAtSchool home page

Resources



Resources for Year 10/10A

These free ABS learning resources are relevant to the year 10 classroom, including those that use CensusAtSchool data and tools. These learning resources include shorter activities as well as longer 'projects' which contain several tasks around a theme so that your students can delve deep into a topic, combined with teacher solutions and a marking rubric aligned with the Australian Curriculum.

These learning resources have been coded to provide suggested starting points for alignment with the new Australian Curriculum (AC). In order to facilitate deep learning, the AC code is provided as a link to the Content Description by learning area, matched to an appropriate learning resource. You can access a range of ABS Education Services resources including CensusAtSchool resources, through Scootle.

We welcome your feedback. We're keen to know if you recommend a learning resource to be linked to a different Content Description. Please provide your feedback via email to Education Services education@abs.gov.au or CensusAtSchool - Australia at censusatschool@abs.gov.au

Mathematics

Science

Geography

AC Code	Title	Resource type	Estimated time for activity	Resource includes
Mathematics				

ACMSP248	CaSQ 6B - Box and Whisker Plots with Outliers of Money Earned	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP248 ACMSP249	MAT 08 – Indigenous vs Non Indigenous Age Distribution	Assessment	60-90 mins	Student worksheet Teacher solutions Assessment rubric
ACMSP248 ACMSP249	MAT 13 – Creating Parallel Box and Whisker Plots in Excel	Activity	40-60 mins	Student worksheet
ACMSP248 ACMSP249	CaSQ 25B - Using Graphs and Summary Statistics to Investigate Numerical Data	Activity	40-60 mins	Student worksheet
ACMSP248 ACMSP249 ACMSP250	CaSQ 28 - Parallel Box and Whisker Plots of Hours Slept	Quick activity	40 mins	Student worksheet Random Sampler
ACMSP248 ACMSP249 ACMSP250	CaSQ 34 - Using Box Plots to Compare Heights of UK and Australian Students	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP248 ACMSP249 ACMSP250	CasQ 35A – Drawing a Box and Whisker of Foot Length	Quick activity	40 mins	Student worksheet
ACMSP248 ACMSP249 ACMSP250	CaSQ 35B - Creating Parallel Box and Whisker Plots of Foot Length in Excel	Quick activity	40-60 mins	Student worksheet
ACMSP248 ACMSP249 ACMSP250	CaSQ 35C – Creating a Box and Whisker Plot using Excel	Quick activity	40 mins	Student worksheet Random Sampler
ACMSP248 ACMSP249 ACMSP250	CaSQ 37 – Comparing Data Displays of Foot Length	Quick activity	40-60 mins	Student worksheet
ACMSP248 ACMSP249 ACMSP250	CaSMa06 - Are Males Better Drivers?	Assessment	90-120 mins	Student worksheet Teacher solutions Assessment rubric Random Sampler Prepared Samples
ACMSP249	CaSQ 6A - Parallel Box and Whisker Plots of Money Earned	Quick activity	40-60 mins	Student worksheet Random Sampler

ACMSP249	Matchbox Machines	Interactive	30-45 mins	Game
ACMSP250 ACMSP251	CaSQ 24A - Writing Instructions to Make a Scatter Plot of Height vs Foot Length	Quick activity	40 mins	Student worksheet Random Sampler
ACMSP251	CaSQ 5 - Cause and Effect: Height and Dominant Hand Reaction Time	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP251	MAT 14 - Is Australia the Greatest Olympic Sporting Nation?	Assessment	60-90 mins	Student worksheet Teacher solutions Assessment rubric
ACMSP251	CaSMa12 - The Golden Ratio	Assessment	90-120 mins	Student worksheet Teacher solutions Assessment rubric Random Sampler Prepared Samples Video
ACMSP251	CaSQ 24C - Using a Trend Line to find a Relationship Between Height and Foot Length	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP251	CaSQ 17B - Scatter plots: Correlation and fitting a trend line	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP251	CaSQ 4A - Scatterplots: Making Predictions for Height vs. Arm Span	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP251	CaSQ 4B - Scatterplots: Line of Best Fit for Height vs. Arm Span	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP251	CaSQ 39 – Scatterplots and Pearson's r for C@S Data	Quick activity	40-60 mins	Student worksheet Teacher solutions
ACMSP252	MAT 03 – Factors of Population Change	Assessment	60-90 mins	Student worksheet Teacher solutions Assessment rubric
ACMSP252	MAT 07 - Time Series Data of 15-24 Year Old Road Fatalities	Activity	90-120 mins	Student worksheet Teacher solutions
ACMSP252	CaSQ 27 - Time Series of Height	Quick activity	40-60 mins	Student worksheet Random Sampler
ACMSP252 ACMSP170	CaSQ 19 - Scatterplot of Dominant and Non-Dominant Hands Reaction Time using Excel 2007/2010	Quick activity	40 mins	Student worksheet Random Sampler

ACMSP252 ACMSP253	MAT 06 – Misleading Graphs	Activity	60-90 mins	Student worksheet Teacher solutions Assessment rubric
ACMSP252 ACMSP279	CaSQ 24B - Using Bivariate Data to Make a Scatter Plot to Find a Relationship Between Height and Foot Length	Quick activity	40 mins	Student worksheet Random Sampler
ACMSP253	Run That Town (iOS App)	Interactive	Variable	Game
ACMSP278	CaSQ 1B - Mean and Standard Deviation of Belly Button Heights	Quick activity	40 mins	Student worksheet Random Sampler
ACMSP278	CaSMa11 - Environmental Graphs	Assessment	90-120 mins	Student worksheet Teacher solutions Assessment rubric Random Sampler Prepared Samples

[Back to top](#)

Science

ACSYS203	CaSMa08 - Opinions On...Are Girls More Concerned?	Assessment	3+ hours	Student worksheet Teacher solutions Assessment rubric Random Sampler Prepared Samples
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[Back to top](#)

Geography

ACHGK070	GEO 01 – Whatever Happened to?	Group activity	3+ hours	Class activity Group activities Revision worksheets
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[Back to top](#)

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